



recorded by a solid-state camera. With this instrument, objects ranging from several millimeters square to several meters square can be measured with an accuracy of about 1/2000 of the field of view. This instrument works best on relatively smooth objects with a matte, light-colored surface but has been demonstrated to work on metallic objects. The object to be measured must remain motionless for the time it takes to record several images.

### Options for Commercialization

One of NASA's missions is to commercialize its technology. One aim of the NASA Lewis Research Center is to commercialize this fiber-optic controller for shape measurement, covered under U.S. Patent Number 5,146,293. Lewis' Commercial Technology Office is currently working with one small company to develop a commercial product for in situ aircraft engine inspections. We also will work with other interested industrial partners to test and evaluate this technology for other industrial applications. Any company wishing to license this technology may do so provided it has a sound business plan with a high potential for success.

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### Key Words

Contouring  
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